

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)			Docket Number (Optional) F03-354-USDiv		Application Number 10/634,836		
			Applicant(s) Hisaki KATO, et al.		Group Art Unit -2822 1656		
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		01/06/2005 PATENT & TRADEMARK OFFICE					
U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS							
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
CMK	H7-7182	01/10/99	Japan			ABS	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
CMK		Japanese Office Action, dated May 24, 2005, with partial English translation					
CMK		NAKAMURA, et al., "Ridge-geometry InGaN multi-quantum-well-structure laser diodes", APPLIED PHYSICS LETTERS, September 2, 1996, Vol. 69, No. 10, pp. 1477-1479					
EXAMINER	<i>CMK</i>			DATE CONSIDERED		11/10/05	
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PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

1

of

6

Complete if Known

Application Number	10/643,836
Filing Date	August 18, 2003
First Named Inventor	J.-B. Dumas Milne Edwards
Art Unit	
Examiner Name	

Attorney Docket Number

G-078US05DIV

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.¹	Document Number Number - Kind Code² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CMK	U1	US-4,914,025	04/03/1990	Manoil et al.	All
	U2	US-5,536,637	07/16/1996	Jacobs	All
	U3	US-5,019,369	05/28/1991	Presant et al.	All
	U4	US-5,872,141	02/16/1999	Umbriet et al.	All
	U5	US-6,034,062	03/07/2000	Thies et al.	All
	U6	US-6,204,060	03/20/2001	Mehtali et al.	All
	U7	US-6,110,490	08/29/2000	Theirry	All
CMK	U8	US-6,242,179	06/05/2001	Shah et al.	All
	U9	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Country Code³ - Number⁴ - Kind Code⁵ (if known)				
CMK	F1	EP 1130094 A2 (CD-ROM)	07/07/2000	Helix Research Institute	All	
	F2	WO 98/55614 A2	12/10/1998	Genetics Institute, Inc.	All	
	F3	WO 97/07198 A2	02/27/1997	Genetics Institute	All	
	F4	WO 97/04097 A2	02/06/1997	Genetics Institute	All	
CMK	F5	WO 97/18826 A2	07/13/1995	Schering Corp.	All	
	F6					
	F7					

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CJK	R1	BOUGUELERET, L. et al. "Extended cDNAs Useful for Expressing Secreted Proteins and to Obtain Specific Antibodies", 2000, pp. 203-204, Accession No. AAY59685.			
	R2	CAMERON, C. et al. "Function and Protective Capacity of <i>Treponema Pallidum</i> Subsp. <i>Pallidum</i> Glycerophosphodiester Phosphodiesterase", <i>Infection and Immunity</i> , 1998, pp. 5763-5770, Vol. 66, No. 12, American Society for Microbiology.			
	R3	DOWNES, G. et al. "Structure and Mapping of the G Protein $\gamma 3$ Subunit Gene and a Divergently Transcribed Novel Gene", <i>Gng31g</i> , <i>Genomics</i> , 1998, pp. 220-230, Vol. 53, Academic Press.			
	R4	INOUE, S. et al. "Growth Suppression of <i>Escherichia coli</i> by Induction of Expression of Mammalian Genes with Transmembrane or ATPase Domains", <i>Biochem. Biophys. Res. Comm.</i> , 2000, pp. 553-561, Vol. 268, Academic Press.			
	R5	JANSON, H. et al. "Protein D, the Glycerophosphodiester Phosphodiesterase from <i>Haemophilus influenzae</i> with Affinity for Human Immunoglobulin D, Influences Virulence in a Rat Otitis Model", <i>Infection and Immunity</i> , 1994, pp. 4848-4854, Vol. 62, No. 11, American Society for Microbiology.			
	R6	LARSON, T. et al. "Periplasmic Glycerophosphodiester Phosphodiesterase of <i>Escherichia coli</i> , a New Enzyme of the gip Regulon", <i>J. Biol. Chem.</i> , 1983, pp. 5428-5432, Vol. 258, No. 9.			
	R7	MAGRÉ, J. et al. "Identification Of The Gene Altered In Berardinelli-Seip Congenital Lipodystrophy On Chromosome 11q13", <i>Nature Genetics</i> , 2001, pp. 365-370, Vol. 28.			
	R8	MELDRUM, Brian "Glutamate as a Neurotransmitter in the Brain: Review of Physiology and Pathology", <i>The Journal of Nutrition - Supplement</i> (presented at the International Symposium on Glutamate, 1998), 2000, pp. 1007S-1015S, Pub: American Society for Nutritional Sciences.			
	R9	MUNSON, R. et al. "Protein D, a Putative Immunoglobulin D-Binding Protein Produced by <i>Haemophilus influenzae</i> , Is Glycerophosphodiester Phosphodiesterase", <i>J. Bacteriology</i> , 1993, pp. 4569-4571, Vol. 175, No. 14.			
	R10	NEER, Eva "Heterotrimeric G Proteins: Organizers of Transmembrane Signals", <i>Cell</i> , 1995, pp. 249-257, Vol. 80, Cell Press.			
	R11	SCHOEPP, D. et al. "Metabotropic Glutamate Receptors in Brain Function and Pathology", <i>TiPS</i> , 1993, pp. 13-20, Vol. 14, Elsevier Science Publishers, Ltd., UK.			
	R12	ZHENG, B. et al. "MIR16, a Putative Membrane Glycerophosphodiester Phosphodiesterase, Interacts with RGS16", <i>PNAS</i> , 2000, pp. 3999-4004, Vol. 97, No. 8.			
CJK	R13	ZHENG, B. et al. "MIR16, a Putative Membrane Glycerophosphodiester Phosphodiesterase, Interacts with RGS16", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 2000, pp. 3999-4004, Vol. 97, No. 8, Accession No. AAF65234 (bases 1 to 331).			

Examiner Signature	<i>Chazier</i>	Date Considered	<i>11/10/05</i>
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Attorney Docket Number G-078US05DIV

NON PATENT LITERATURE DOCUMENTS

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CKK	R14	ZHENG, B. et al. "MIR16, a Putative Membrane Glycerophosphodiester Phosphodiesterase, Interacts with RGS16", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , 2000, pp. 3999-4004, Vol. 97, No. 8, Accession No. AF212862 (bases 1 to 1200).	
	R15	Glycerophosphoryl Diester Phosphodiesterase <i>Escherichia coli</i> , 1989, NiceProt View of SWISS-PROT: P10908.	
	R16	Glycerophosphoryl Diester Phosphodiesterase, periplasmic [Precursor] <i>Escherichia coli</i> , 1991, NiceProt View of SWISS-PROT: P09394.	
	R17	Glycerophosphoryl Diester Phosphodiesterase [Precursor] <i>Haemophilus influenzae</i> , 1995, NiceProt View of SWISS-PROT: Q06282.	
	R18	Similar to G Protein Gamma 3 Linked Gene <i>Homo Sapiens</i> , 2001, NiceProt View of SWISS-PROT: Q9BSQ0.	
	R19	Hypothetical 43.1 kDa protein <i>Mus musculus</i> , 2000, NiceProt View of SWISS-PROT: Q8JMF1.	
	R20	BORK, P. "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle", <i>Genome Research</i> , 2000, pp. 398-400, Vol. 10.	
	R21	BROWN, P. et al., "Catalytic Plasticity of Fatty Acid Modification Enzymes Underlying Chemical Diversity of Plant Lipids", <i>Science</i> , 1998, pp. 1315-1317, Vol. 282.	
	R22	SEFFERNICK, J.L. et al., "Melamine Deaminase and Atrazine Chlorohydrolase: 98 Percent Identical but Functionally Different", <i>Journal of Bacteriology</i> , 2001, pp. 2405-2410, Vol. 183, No. 8, American Society for Microbiology.	
	R23	VAN DE LOO, F. J. et al., "An Oleate 12-hydroxylase from <i>Ricinus Communis</i> L. is a Fatty Acyl Desaturase Homolog", <i>Proc. Natl. Acad. Sci. USA</i> , 1995, pp. 6743-6747, Vol. 92.	
	R24	WITKOWSKI, A. et al., "Conversion of β -Ketoacyl Synthase to a Malonyl Decarboxylase by Replacement of the Active-Site Cysteine with Glutamine", <i>Biochemistry</i> , 1999, pp. 11643-11650, Vol. 38.	
	R25	ATTWOOD, T. "Genomics: The Babel of Bioinformatics", <i>Science</i> , 2000, pp. 471-473, Vol. 290, No. 5491.	
CKK	R26	RUBEN S.M. et al. "Human Secreted Protein Encoded by Gene 21", <i>Database Geneseq</i> [online], March 23, 2000, AC No. Y76144, XP002163702.	

Examiner Signature

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Sheet **4** of **6**

Complete if Known	
Application Number	10/643,836
Filing Date	August 18, 2003
First Named Inventor	J.-B. Dumas Milne Edwards
Group Art Unit	
Examiner Name	
Attorney Docket Number	G-078US05DIV

NON PATENT LITERATURE DOCUMENTS

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CYK	R27	RUBEN S.M. et al. "Human Secreted Protein Encoded by Gene 21", <i>Database Geneseq</i> [online], March 23, 2000, AC No. Z65270, XP002163703.	
	R28	DATABASE EMBL[online], AC No. AI911546, July 30, 1999, Natl. Cancer Inst., "ty73d05.x1 NCI_CGAP_Kid11 Homo Sapiens cDNA Clone IMAGE: 2284713", XP002163704.	
	R29	DATABASE EMBL[online], AC No. AI361251, January 7, 1999, Natl. Cancer Inst., "qy42e02.x1 NCI_CGAP_Bm23 Homo Sapiens cDNA Clone IMAGE: 2014682", XP002163705.	
	R30	JACOBS, K.A. et al. "A Genetic Selection for Isolating cDNAs Encoding Secreted Proteins", <i>Gene, NL, Elsevier</i> , October 1987, pp. 289-296, Vol. 198, Biomedical Press, Amsterdam, XP002045919.	
	R31	TASHIRO, K. et al. "Signal Sequence Trap: A Cloning Strategy for Secreted Proteins and Type I Membrane Proteins", <i>Science</i> , July 30, 1993, pp. 600-603, Vol. 261, American Association for the Advancement of Science, XP000673204.	
	R32	LIM, E.M. et al. "Identification of Mycobacterium Tuberculosis DNA Sequences Encoding Exported Proteins by Using phoA Gene Fusions", <i>Journal of Bacteriology</i> , January 1995, pp. 59-650021-9193/95, Vol. 177, No. 1.	
	R33	MIYAKE et al. "RP105, a Novel B Cell Surface Molecule Implicated in B Cell Activation, is a Member of the Leucine-Rich Repeat Protein Family", <i>The Journal of Immunology</i> , pp. 3333-3340, The American Association of Immunologists, 0022-1767/95.	
	R34	JACOBS et al. "A Novel Method for Isolating Eukaryotic cDNA Clones Encoding Secreted Proteins", <i>Dendritic Cells: Antigen Presenting Cells of T and B Lymphocytes</i> , March 10-16, 1995, C1-207.	
	R35	FUJIWARA, T. et al. "HUM309B01B Clontech Human Aorta PolyA+ mRNA (#6572) Homo Sapiens cDNA Clone GEN-309B01 5', mRNA Sequence", XP002032351, Accession No. D62634.	
	R36	MARRA, M. et al. "The WashU-HHMI Mouse EST Project", XP002032348, Accession No. W08383.	
	R37	MARRA, M. et al. "The WashU-HHMI Mouse EST Project", XP002032350, Accession No. W11170.	
	R38	MARRA, M. et al. "The WashU-HHMI Mouse EST Project", XP002032349, Accession No. W17930.	
CYK	R39	MARRA, M. et al. "The Wash U-HHMI Mouse EST Project", XP002032347, Accession No. W67046.	

Examiner Signature	<i>CYK</i>	Date Considered	11/10/05
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CK	R40	ABRAHAM, E., et al., "Phosphatidic Acid Signaling Mediates Lung Cytokine Expression and Lung Inflammatory Injury After Hemorrhage in Mice", <i>J. Exp. Med.</i> , 1995, pp. 569-575, Vol. 181.	
	R41	BRINDLEY, D. and WAGGONER, D. "Phosphatidate Phosphohydrolase And Signal Transduction", <i>Chem. Phys. Lipids</i> , 1996, pp. 45-57, Vol. 80.	
	R42	BURSTEN, S., et al., "Potential Role for Phosphatidic Acid in Mediating the Inflammatory Responses to TNF α and IL-1 β ", <i>Circ. Shock</i> , 1994, pp. 14-29, Vol. 44.	
	R43	ENGLISH, D., "Phosphatidic Acid: A Lipid Messenger Involved in Intracellular and Extracellular Signalling", <i>Cell. Signal.</i> , 1996, pp. 341-347, Vol. 8, No. 5.	
	R44	ENGLISH, D., et al., "Messenger Functions Of Phosphatidic Acid", <i>Chem. Phys. Lipids</i> , 1996, pp. 117-132, Vol. 80.	
	R45	KENT, C. "Eukaryotic Phospholipid Biosynthesis", <i>Ann. Rev. Biochem.</i> , 1995, pp. 315-343, Vol. 64.	
	R46	LEUNG, D., et al., "CT-2576, An Inhibitor Of Phospholipids Signaling, Suppresses Constitutive And Induced Expression Of Human Immunodeficiency Virus", <i>Proc. Natl. Acad. Sci. USA</i> , 1995, pp. 4813-4817, Vol. 92.	
	R47	RICE, G., et al., "Protection From Endotoxic Shock In Mice By Pharmacologic Inhibition Of Phosphatidic Acid", <i>Proc. Natl. Acad. Sci. USA</i> , 1994, pp. 3857-3861, Vol. 91.	
	R48	ROBERTS, R. and MORRIS, A. "Role Of Phosphatidic Acid Phosphatase 2a In Uptake Of Extracellular Lipid Phosphate Mediators", <i>Biochimica et Biophysica Acta</i> , 2000, pp. 33-49, Vol. 1487.	
	R49	SALVADOR, G.A., et al., "Differential Modulation Of Phospholipase D And Phosphatidate Phosphohydrolase During Aging In Rat Cerebral Cortex Synaptosomes", <i>Exp. Gerontology</i> , 2002, pp. 543-552, Vol. 37.	
	R50	STUKEY, J. and CARMAN, G. "Identification Of A Novel Phosphatase Sequence Motif", <i>Protein Science</i> , 1997, pp. 469-472, Vol. 6.	
	R51	Database GENBANK, Accession NP_003702; PANDEY, A.V., et al., "Protein Phosphatase 2A And Phosphoprotein Set Regulate Androgen Production By p450c17", <i>J. Biol. Chem.</i> , 2003, pp. 2837-2844, Vol. 278, Issue 5.	
CK	R52	Database GENBANK, Accession No. NP_795714; PANDEY, A.V., et al., "Protein Phosphatase 2A And Phosphoprotein SET Regulate Androgen Production By P450c17", <i>J. Biol. Chem.</i> , 2003, pp. 2837-2844, Vol. 278, Issue 5.	

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CTK	R53	Database GENBANK, Accession No. NP_803133; ISHIKAWA, T., et al., "Cell Surface Activities Of The Human Type 2b Phosphatidic Acid Phosphatase", <i>J. Biochem.</i> , 2000, pp. 645-651, Volume 127, Issue 4.	
	R54	Database GENBANK, Accession No. NP_808211; ZHANG, N., et al., "Mice Mutant For Ppap2c, A Homolog Of The Germ Cell Migration Regulator Wunen, Are Viable And Fertile", <i>Genesis</i> , 2000, pp. 137-140, Volume 27, Issue 4.	
CK	R55	Accession No. AAB70690, Human hDPP protein sequence SEQ ID NO:7, May 17, 2001.	
	R56		
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	R64		
	R65		

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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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